



The Italian-Brazilian's collaboration in the study of the Universe

National Space Day 2025
Embassy of Italy in Brazil
4th of december 2025
09:30 - 12:30 (Brasilia's time)
13:30 - 16:30 (Rome's time)

The Italian Embassy in Brasilia celebrates the National Space Day organizing a symposium entitled “The Italian Brazilian's collaboration in the study of the Universe” in collaboration with the Laboratório Nacional de Astrofísica (LNA) and Istituto Nazionale di Astrofisica (INAF). The ties between Italian and Brazilian astronomy are deep and enduring, stretching from Galileo's pioneering observations to the pivotal contributions of figures like Giuseppe Occhialini to the development of physics and cosmic ray research in Brazil. Today, both nations continue to share expertise across numerous international research projects. This symposium represents a unique opportunity to celebrate the rich history and future of scientific collaboration. A wide array of topics, from optical and infrared observational infrastructure and scientific instrumentation to radioastronomy, from the application of new technologies like AI to the space observation to the study of gravitational waves will be discussed in the scientific sessions in order to explore and foster potential new collaborations.

To access the meeting: <https://maeci.webex.com/maeci-pt/j.php?MTID=md0303b6c00dd45ea25bf0a63d2d485a3>

Webinar password: 2025

For further information: brasilia.scienza@esteri.it

09.30-09.45: Opening with Institutional Welcome

Alessandro Cortese, Ambassador of Italy to Brasil

To be confirmed, CNPq

To be confirmed, INAF

09.45-10.15: Optical and Infrared Observational Infrastructure and Scientific Instrumentation

Claudia Mendes de Oliveira (Universidade de São Paulo), Wagner Corradi (Laboratório Nacional de Astrofísica) and Bruno Castilho (Laboratório Nacional de Astrofísica)

Laura Magrini (INAF - Osservatorio Astrofisico di Arcetri) and Yuri Evangelista (INAF - Istituto di Astrofisica e Planetologia Spaziali)

10.15-10.45: Radiotelescopes and Cosmic Microwave Background

Amílcar Rabelo (Universidade Federal de Campina Grande) and Carlos Alexandre Wuensche (Instituto Nacional de Pesquisas Espaciais)

Paola Di Ninni (INAF - Osservatorio Astrofisico di Firenze), Andrea Melis (INAF - Osservatorio Astronomico di Cagliari), Silvia Masi (Universita' di Roma Sapienza) and Paolo de Bernardis (Universita' di Roma Sapienza)

10.45-11.15: Artificial Intelligence in Astronomy

Clecio de Bom (Centro Brasileiro de Pesquisas Físicas)

Andrea Possenti (INAF - Osservatorio Astronomico di Cagliari)

11.15-11.45: Gravitational Waves

Riccardo Sturani (Instituto de Física Teórica) and Odylio Aguiar (Instituto Nacional de Pesquisas Espaciais)

Enzo Brocato (INAF - Osservatorio Astronomico di Roma)

11.45-12.15: High Energy Astrophysics and Cherenkov Telescope Array Observatory

Luiz Vitor de Souza (Universidade de São Paulo em São Carlos)

Massimo Cappi (INAF - Osservatorio di Astrofisica e Scienza dello Spazio) and Alessandra De Rosa (INAF - Istituto di Astrofisica e Planetologia Spaziali)

12.15-12.30: Conclusion